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U.S. Department of Transportation

Research and

Research and Special Programs Administration

## IAEA CERTIFICATE OF COMPETENT AUTHORITY SPECIAL FORM RADIOACTIVE MATERIALS CERTIFICATE NUMBER USA/0159/S, REVISION 4

400 Seventh Street, S.W. Washington, D.C. 20590

This certifies that the sources described have been demonstrated to meet the regulatory requirements for special form radioactive material as prescribed in the regulations of the International Atomic Energy Agency and the United States of America for the transport of radioactive materials.

- 1. Source Identification E.I. DuPont/NEN Model NER-478C.
- 2. Source Description The source is manufactured of 316L stainless steel, tungsten-inert-gas welded right circular cylinder measuring approximately 7.9 mm (0.31 in.) to 15.2 mm (0.60 in.) in diameter by 5.1 mm (0.20 in.) to 8.1 mm (0.32 in.) in height and constructed to NEN control specification and Drawing No. 313-301 (attached).
- 3. Radioactive Contents Not more than 0.074 TBq (2.0 Ci) of Americium-241 as a vitreous ceramic.
- 4. Quality Assurance Records of Quality Assurance activities required by Paragraph 209 of the IAEA regulations shall be maintained and made available to the authorized officials for at least three years after the last shipment authorized by this certificate. Consignors and consignees in the United States exporting or importing shipments under this certificate shall satisfy the requirements of Subpart H of 10 CFR 71.
- 5. Expiration Date This certificate expires June 30, 2002.

This certificate is issued in accordance with paragraph 703 of the IAEA Regulations and Section 173.476 of Title 49 of the Code of Federal Regulations, in response to the petition and information dated April 8, 1997 submitted by Du Pont Merck Radiopharmaceuticals, North Billerica, MA, and in consideration of other information on file in this Office.

Certified by:

JUN 1 6 1997

Alan I. Roberts

Associate Administrator for Hazardous Materials Safety

Revision 4 - Issued to update to the IAEA 1985 regulations, to add drawing, and to extend the expiration date.

<sup>1 &</sup>quot;Safety Series No. 6, Regulations for the Safe Transport of Radioactive Materials, 1985 Edition, as amended 1990", published by the International Atomic Energy Agency (IAEA), Vienna, Austria.

<sup>2</sup> Title 49, Code of Federal Regulations, Parts 100 - 199, United States of America.

